Doors and Hardware

- Steel doors with exterior skins of 14-gauge steel welded to the interior steel frame the full height of the door
- Continuous 14-gauge steel channels at the hinge and lock rails
- Top and bottom of door should have16-gauge channels
- Minimum hardware reinforcement of 12-gauge steel
- Door fill of polystyrene infill or honeycomb core
- Alternative Door:

 18- or 20-gauge skin door, meeting the above internal frame construction, with a 14-gauge or heavier
- steel plate overlay attached on either side
- Three heavyweight hinges
- Three cylindrical deadbolts (with solid 1/2-inch-thick steel throw bolts with 1-inch throw into door jamb) with one latch/lock



Note: There are several companies that manufacture metal doors that meet FEMA 320 specifications.

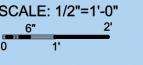
STEEL DOOR
20GA. SKIN
W/ HONEYCOMB
CORE

* ALTERNATIVE DOOR: 14GA. SKIN
W/20 GA. METAL RIBS, HONEYCOMB
CORE OR POLYSTYRENE IN-FILL
(NO EXTRA ARMOR PLATING
REQUIRED)

ATTACH 14GA. STEEL SHEATHING
TO DOOR W/ 1/4"X1-1/4" SELF-TAPPING
SCREWS W/ HEXAGON WASHER HEADS
ATTACH @ 6" O.C. ALONG PERIMETER
AND 12" O.C. IN FIELD

14 GA. STEEL
SHEATHING
(INSTALL ON
EITHER SIDE)

DOOR - SHEET METAL ATTACHMENT PATTERN





Note: 16-gauge door frames should be anchored as shown in FEMA 320



